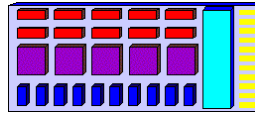


Standard Reliability Prediction Report

Part Number System
Reference Des
Date May 20, 2004
Environment GB, GC - Ground Benign, Controlled
Temperature 30.00

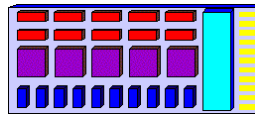


Description Top-level assembly
File Name MZ104V4_75.RPJ
Time 11:10 AM
Failure Rate 2.911130
MTBF 343,509

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
MZ104V4	System		1.00	2.911130	343,509

Standard Reliability Prediction Report

Part Number System
Reference Des
Date May 20, 2004
Environment GB, GC - Ground Benign, Controlled
Temperature 30.00

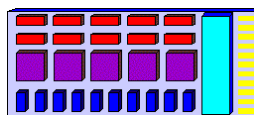


Description Top-level assembly
File Name MZ104V4_75.RPJ
Time 11:10 AM
Failure Rate 2.911130
MTBF 343,509

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
CAP-0603-.01uF	Capacitor	C41	0.010617	1.00	0.010617
CAP-0603-0.1U	Capacitor	C32,42,44,45,46,47,- 54,55,56,57,58,59,60- ,61,62,63,82,101,103- ,119,C120,121,122,- 123,131,132,133,134- ,136,137,138,139,14- 0,141,142,143	0.013062	36.00	0.470243
CAP-0603-15PF	Capacitor	C84,85	0.005914	2.00	0.011828
CAP-0603-180PF	Capacitor	C23,24,25,26,27,28,- 29,30,31,33,34,35,36- ,37,38,39,40	0.007396	17.00	0.125731
CAP-0603-100PF	Capacitor	C145	0.007015	1.00	0.007015
CAP-0603-220PF	Capacitor	C66,67,68,69,70,71,- 72,73,74,75,76,77,78- ,79,80,81	0.007531	16.00	0.120492
CAP-0603-22PF	Capacitor	C48,49,50,51	0.006121	4.00	0.024485
CAP-0603-47P	Capacitor	C64,65,144	0.006554	3.00	0.019662
CAP-B-10U/16V	Capacitor	C83	0.007488	1.00	0.007488
CAP-B-TANT-22U	Capacitor	C43,130, 135	0.008977	3.00	0.026930
CAP-B-TANT-4U7	Capacitor	C100,102	0.004154	2.00	0.008308
CON-EDGE-20	Connection	CN8	0.026000	1.00	0.026000
CON-EDGE-26	Connection	CN5, CN7	0.033800	2.00	0.067600
CON-EDGE-34	Connection	CN6	0.044200	1.00	0.044200
CON-EDGE-40	Connection	CN12	0.052000	1.00	0.052000
CON-PC104-16	Connection	CN13	0.052000	1.00	0.052000
CON-PC104-8	Connection	CN14	0.083200	1.00	0.083200
CON-PIN2-2MM	Connection	JP3	0.002600	1.00	0.002600
CON-PIN2X2-2MM	Connection	JP4,5	0.005200	1.00	0.005200
CON-PIN2X3-2MM	Connection	JP1,2,8	0.007800	1.00	0.007800
CON-PIN-2X7	Connection	CN2	0.018200	1.00	0.018200
CON-PIN3-2MM	Connection	CN16, CN18	0.003900	2.00	0.007800
CON-SOC16-STRIP	Connection	IC23	0.002065	2.00	0.004130
CON-SOC-DIP8	Connection	IC1	0.001528	1.00	0.001528
CON-SO-DIMM144	Connection	CN15	0.043766	1.00	0.043766
DIODE-SI-UMELF	Semiconductor	D11,13,30	0.020765	3.00	0.062295
FERRITE-0603-27R	Inductor	F6,7,8,9	0.000097	4.00	0.000386
FERRITE-0805-39R	Inductor	F1,2,3,4,5,10,11	0.000097	7.00	0.000676
FET-SOT23-N	Semiconductor	Q6	0.152315	1.00	0.152315
IC-ICS650R-01	Integrated Circuit	IC24	0.003120	1.00	0.003120
IC-LM1117MPX-2.5	Integrated Circuit	Q12	0.003939	1.00	0.003939
IC-LM1117MPX-3.3	Integrated Circuit	Q11	0.003939	1.00	0.003939
IC-HIN213CA	Integrated Circuit	IC12,13	0.084869	2.00	0.169738
IC-MACHZ	Integrated Circuit	IC20	0.047328	1.00	0.047328
IC-MIC2025-1BMM	Integrated Circuit	IC14	0.001605	1.00	0.001605
MEM-FLASH-TSOP40	Integrated Circuit	IC19	0.004458	1.00	0.004458
OSC-14.31818MHZ	Miscellaneous	XTAL2	0.050352	1.00	0.050352
OSC-32K768	Miscellaneous	XTAL1	0.012457	1.00	0.012457
PCB-MZ104-V4	Connection	PCB1	0.068000	1.00	0.068000

Standard Reliability Prediction Report

Part Number System
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Description Top-level assembly
File Name MZ104V4_75.RPJ
Time 11:10 AM
Failure Rate 2.911130
MTBF 343,509

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
RES-0603-0R0	Resistor	R12, 56, 149	0.003658	3.00	0.010974
RES-0603-10K0	Resistor	R10,49,77,83,87	0.014902	5.00	0.074510
RES-0603-10M	Resistor	R150	0.014902	1.00	0.014902
RES-0603-10R	Resistor	R90	0.014902	1.00	0.014902
RES-0603-15K	Resistor	R16,17,54,55	0.014902	4.00	0.059608
RES-0603-1K0	Resistor	R3,4,7,8,9,11,48,57,- 81,86,88	0.014902	11.00	0.163923
RES-0603-1K2	Resistor	R59	0.014902	1.00	0.014902
RES-0603-20K	Resistor	R1,2	0.014902	2.00	0.029804
RES-0603-22R1	Resistor	R75	0.014902	1.00	0.014902
RES-0603-33R	Resistor	R6,50,72,79	0.014902	4.00	0.059608
RES-0603-470R	Resistor	R5,78	0.014902	2.00	0.029804
RES-0603-47R	Resistor	R73,74	0.014902	2.00	0.029804
RES-0603-4K7	Resistor	R15,51,52,53,58,67,- 68,69,70,71,85	0.014902	11.00	0.163923
RES-0603-82R	Resistor	R76,80,82	0.014902	3.00	0.044706
RES-PAK4-10K	Resistor	R115,116,117,118,1- 19,122,123,124,125,- 126,127,128	0.004946	12.00	0.059357
RES-PAK4-10R	Resistor	R129,130,131,132,1- 33,134,135,136,137,- 138,139,140,141,142- ,143	0.004946	15.00	0.074196
RES-PAK4-2K2	Resistor	R13,14	0.004946	2.00	0.009893
RES-PAK4-330R	Resistor	R121	0.004946	1.00	0.004946
RES-PAK4-33R	Resistor	R101,102,103,109,1- 10,111,112,113,114,- ,145	0.004946	10.00	0.049464
RES-PAK4-4K7	Resistor	R104,105,106,107,1- 08,120	0.004946	6.00	0.029678
TERM-2-3.5MM	Connection	CN4	0.126600	1.00	0.126600
TR-SOT23-NPN	Semiconductor	Q1	0.001289	1.00	0.001289